



A healthy mouth – for your whole life

gentle & safe with HELBO treatment

Bacteria can trigger symptoms in the oral cavity such as

Bleeding gums
Receding gums
Odour in the mouth
Pain
Loosening of the teeth
Tooth loss
and
Implant loss



Natural
balance wanted?

There are over 500 different types of bacteria and a number of fungi in the mouth. They are an important part of the digestive system as they process protein and break down food debris – ideally the bacteria and fungi exist in balance and control themselves.

However, the system is sensitive. Acute or chronic infections can occur depending on the general state of a person's health, the condition of the teeth and the dental treatment carried out. These conditions destroy the natural balance – pathogenic bacteria gain the upper hand. Chronic inflammations of the mouth in particular often affect the whole body. We therefore know today that they can trigger heart disease, strokes or even premature births.

Restoring the balance: The classical treatment methods

It is well known that infections in the mouth are treated with either antibiotics or using disinfecting rinsing solutions. Both methods have their disadvantages:

When taking antibiotics there is the risk of

- severe, unpleasant side effects, for example in the gastrointestinal tract

- Adverse effects with other medication, e.g. with contraceptives and circulatory medication
- Increasing resistance to antibiotics
- Allergies occurring with increasing frequency

And all of this, although the oral infection has often only affected a relatively small area of the body – using antibiotics however affects your entire body!

Disinfecting rinsing solutions on the other hand are only effective on the surface and do not suffice in the case of severe or difficult to access infections. Patients therefore often require additional, inconvenient (e.g. surgical) procedures.

This does not have to be the case, if you choose HELBO's gentle and safe treatment.





HELBO treatment: Gentle and effective

The HELBO treatment with dye and laser light offers painless and rapid application. It is a purely local treatment to destroy the bacteria and fungi which cause inflammation and, most importantly, has no negative side effects.

Three steps to restoring the balance:

- After prior rinsing, the infected sites are covered with a blue dye solution.
- The dye solution is activated by subsequent exposure to a mild laser.
- Due to the combination of lightactivated dye solution and laser light, highly reactive oxygen is produced – this leads to the destruction of bacteria and fungi.

The bacteria causing you to be ill therefore die off! As a result, your body once again creates a natural and healthy balance. What is more, studies show that the laser light also reduces pain and promotes wound healing.

Advantages to win you over!

Painless

A low-energy laser is used during HELBO treatment. No heat is generated and the laser light has a pain-reducing effect.

Successful

Depending on the indication, the inflammation subsides with one or a few treatments.

Healthy

HELBO treatment accelerates wound healing.

Quick

The treatment of a tooth or individual area only takes a few minutes.

Effective

In comparison to rinsing solutions, HELBO treatment even reaches difficult-to-treat areas.

Tested

The effect is documented by more than 50 scientific publications.

Blue – the colour of trust and reliability

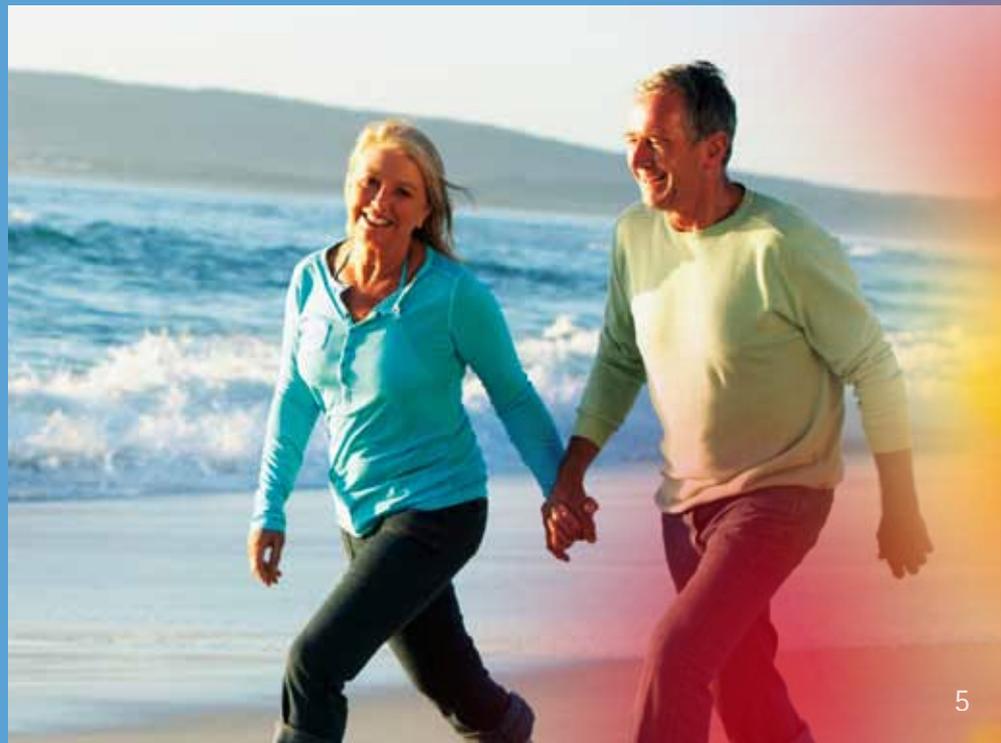
As intensive dyeing of the bacteria is required for treatment, superficial blue staining often remains in the infected areas and sometimes also in the visible area after treatment. This, however, dissolves after two to four hours on its own.

In addition, there are no known side effects or allergies at all when using the dye solution.

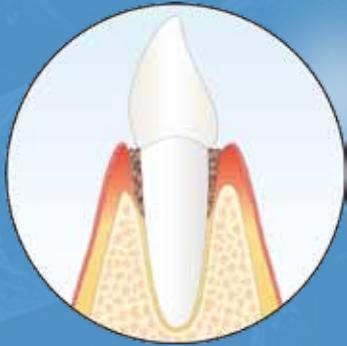
What the expert says

„HELBO treatment is the most effective and most patient-friendly alternative to known procedures in terms of prophylaxis and treatment of infections in the oral cavity.“

(PD Dr. Jörg Neugebauer,
University of Cologne and Landsberg
am Lech)

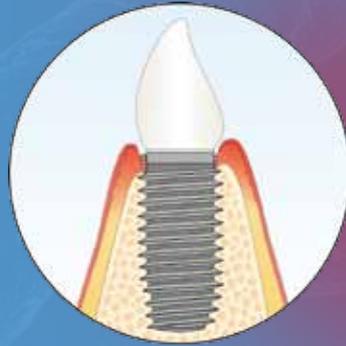


How will it work for me?



Inflammation of the tooth bed (periodontitis)

A tooth bed that is infected with bacteria and inflamed degenerates constantly. Over time, the teeth lose their grip. The same applies to implants, i.e. artificial tooth roots, around which the jaw bone becomes inflamed. The result: The natural or artificial tooth is lost.



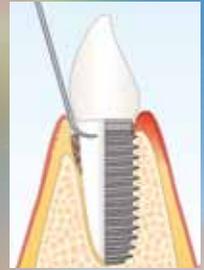
Inflammation around the implant (periimplantitis)

Periodontitis/periimplantitis is noticeable due to:

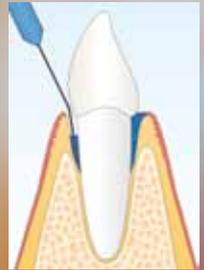
- Odour in the mouth
- Bleeding gums (only in the case of non-smokers)
- Sensitive teeth
- Degeneration of the gums
- Pain is possible at the beginning of the inflammation but is rare
- Exposed necks of the teeth
- Loose teeth

HELBO works like this

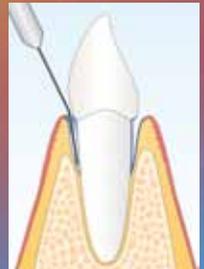
Step 1:
Professional cleaning of the teeth/implant



Step 2:
Application of the dye solution into the gaps



Step 3:
Rinsing out of the excess dye solution



Step 4:
Exposure to gentle laser light leads to destruction of the bacteria





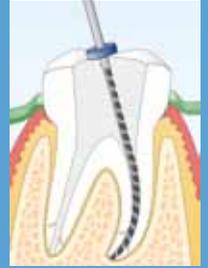
Inflammation of the root of the tooth (endodontitis)

The nerve of a tooth infected by caries and therefore by bacteria for example is extremely painful. There is inflammation, which affects the bone further along. The tooth is sensitive to pressure and loosens. In the worst case, the tooth has to be removed.

Inflammation of the root of the tooth (endodontitis) is recognisable by severe pulsating or throbbing pain in the tooth.

HELBO works like this

Step 1:
Cleaning of
the root canal



Step 2:
Application of the
dye solution into
the root canal



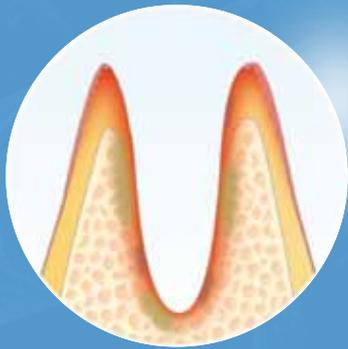
Step 3:
Rinsing out
of the excess
dye solution



Step 4:
Exposure to gentle laser
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tion of the bacteria



How will it work for me?



Dental surgery/ Disturbances to wound healing

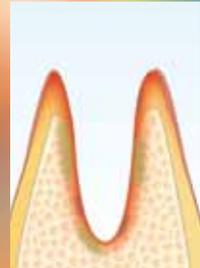
During an extraction, your dentist removes teeth which are not worth preserving. There is usually inflammation around and in the bone and therefore bacterial growth in the remaining tooth pocket. This can lead to disturbances to wound healing, which can prevent regeneration.

If the jaw bone has degenerated severely over time, as in the

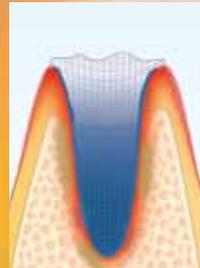
case, for example, of teeth which have been missing a long time, an operation to reconstruct the bone must be carried out. During such operations on the jaw or also in the case of various general illnesses with corresponding medication, wound infections can develop. This also includes bacterial contaminations of the root canals and of the surrounding bone.

HELBO works like this

Step 1:
Excavation
of the infected
areas



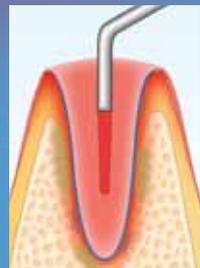
Step 2:
Application of
dye solution



Step 3:
Rinsing out
of the excess
dye solution



Step 4:
Exposure
to gentle
laser
light leads
to destruction
of the bacteria





Caries

Caries must be treated before they destroy the tooth substance and reach the sensitive area of the root of the tooth and before inflammation of the root of the tooth is triggered.

Even in the case of incipient caries, for example in the case of maxilloorthopaedic treatments which create hard-to-clean areas, the process should be stopped as soon as possible

HELBO works like this

Step 1:
Diagnosis of a
deep carious site
on the tooth



Step 2:
Removal of the
destroyed tissue



Step 3:
Application
and rinsing out
of the excess
dye solution



Step 4:
Exposure to gentle laser
light leads to destruction
of the bacteria





Find your
natural balance!



HELBO treatment for you at a glance!

- Achieves a high rate of treatment success without side effects
- Can be used any number of times
- Significantly reduces the taking of antibiotics
- Often circumvents necessary surgical procedures
- Treats only the infected area of the mouth – therefore works on a purely local basis
- Shows no development of resistance
- Makes painless aftercare of disturbances to wound healing possible

HELBO treatment

These infections can be treated using
HELBO treatment – efficiently and
painlessly!

- Inflammation of the
tooth bed (periodontitis)
- Inflammation around the
implant (periimplantitis)
- Inflammation of the root
of the tooth (endodontitis)
- Dental surgery/
Disturbances to wound healing
- Caries

Practice stamp



More information at: www.helbo.de

Subject to changes 12/11 484 GB 7

